

Abstract of the Disclosure

Anode-supported fuel cell, in particular SOFC, where stresses in the anode substrate are compensated for by a stress compensation layer. According to the invention the stress compensation layer is made porous by making a large number of very small openings. These openings are preferably made hexagonal and the thickness of the walls between the openings is minor. An electron-conducting porous layer is applied to the stress compensation layer.